

wherein

m and n are each and independently an integer from 1-3, and one or more of the hydrogens in the alkylene chain may optionally be substituted by any one of C₁-C₆ alkyl, C₁-C₆ alkoxy, or hydroxy; or

one or more of the methylene groups may optionally be substituted by a heteroatom selected from O, N or S;

R¹ is selected from hydrogen, a branched or straight C₁-C₆ alkyl, C₂-C₆ alkenyl, C₃-C₈ cycloalkyl, C₄-C₈ (alkyl-cycloalkyl) wherein the alkyl is a C₁-C₂ alkyl and the cycloalkyl is a C₃-C₆ cycloalkyl;

R² is selected from any of:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl;
- (iii) $-(\text{CH}_2)_q\text{-aryl}$], wherein the aryl may optionally be substituted by 1 or 2 substituents Y, wherein each Y is as defined below; and wherein q is an integer from 0 to 3;
- (iv) $-(\text{CH}_2)_r\text{-heteroaryl}$] wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O and wherein the heteroaryl may be substituted by 1 or 2 substituents Y, wherein each Y is as defined below; and wherein r is an integer from 0 to 3;
- (v) C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls, where each heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (v) C₆-C₁₀ aryl, optionally and independently substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O and wherein the heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;



- (vi) a heteroaryl having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;

or R¹ and R² may optionally form a heterocyclic ring;

R³ is selected from any one of:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl;
- (iii) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (iv) a heteroaryl-(C₅-C₁₀alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (v) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (vi) -[(C₃-C₆ cycloalkyl)-(CH₂)_q] wherein q is an integer from 1 to 3;

R⁴ is selected from:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl;
- (iii) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein

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- the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (iv) heteroaryl-(C₅-C₁₀ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (v) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (vi) a C₆-C₁₀ aryl, optionally and independently substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (vii) a heteroaryl having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein Y is as defined below;

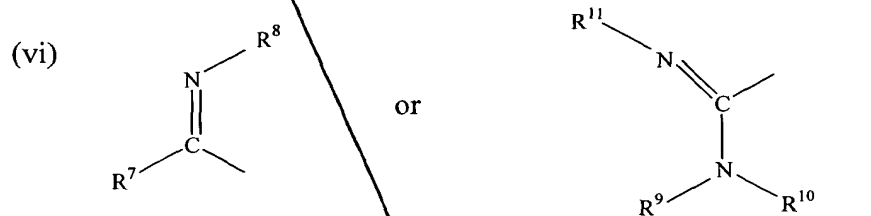
R⁵ is selected from:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl;
- (iii) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (iv) a heteroaryl-(C₅-C₁₀ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl

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and heteroaryl may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined below;

- (v) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;



wherein R⁷, R⁸, R⁹, R¹⁰ and R¹¹ are each and independently selected from:

- (a) hydrogen;
- (b) a straight or branched C₁-C₆ alkyl, C₂-C₆ alkenyl or C₂-C₆ alkynyl;
- (c) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of the S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;
- (d) a heteroaryl-(C₅-C₁₀ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined below;
- (e) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined below;
- (f) a C₆-C₁₀ aryl, optionally and independently substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from

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any of S, N and O, and wherein the heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined below;

or R⁴ and R⁵ may optionally form a heterocyclic ring;

Y is each and independently selected from any of: hydrogen, CH₃; -(CH₂)_{p1}CF₃; halogen; C₁-C₃ alkoxy; hydroxy; -NO₂; -OCF₃; -CONR^aR^b; -COOR^a; -COR^a; -(CH₂)_{p2}NR^aR^b; -(CH₂)_{p3}CH₃; (CH₂)_{p4}SOR^aR^b; -(CH₂)_{p5}SO₂R^a; -(CH₂)_{p6}SO₂NR^a; C₄-C₈(alkyl-cycloalkyl) wherein the alkyl is a C₁-C₂ alkyl, and the cycloalkyl is a C₃-C₆ cycloalkyl; 1 or 2 heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and oxides selected from N-oxides or sulfoxides; and wherein:

R^a and R^b are each and independently selected from hydrogen, a branched or straight C₁-C₆ alkyl, a C₁-C₆ alkenyl, a C₃-C₈ cycloalkyl; and wherein:

p¹, p², p³, p⁴, p⁵ and p⁶ are each and independently 0, 1 or 2;

as well as pharmaceutically acceptable salts, isomers, hydrates, and isoforms thereof,

with the proviso that when R¹=R²=R³=R⁴=R⁵=H, then m + n ≥ 4.

30. A compound according to formula I of claim 29, wherein:

m=n=1;

R¹ is selected from:

- (i) hydrogen;
- (ii) a branched or straight C₁-C₆ alkyl; and
- (iii) a C₃-C₈ cycloalkyl;

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R² is selected from any of:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl;
- (iii) -[(CH₂)_q-aryl], wherein the aryl may optionally be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29; and wherein q is an integer from 0 to 3;
- (iv) -[(CH₂)_r-heteroaryl] wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O and wherein the heteroaryl may optionally be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29; and wherein r is an integer from 0 to 3;
- (v) a C₃-C₆ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, where each Y is as defined in claim 29;
- (vi) a C₆-C₁₀ aryl, optionally and independently substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (vii) a heteroaryl having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;

or R¹ and R² may optionally form a heterocyclic ring;

R³ is selected from any one of:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl;
- (iii) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;

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- (iv) a heteroaryl-(C₅-C₁₀ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (v) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (vi) -[(C₃-C₆ cycloalkyl)-(CH₂)_q] wherein q is an integer from 1 to 3;

R⁴ is selected from:

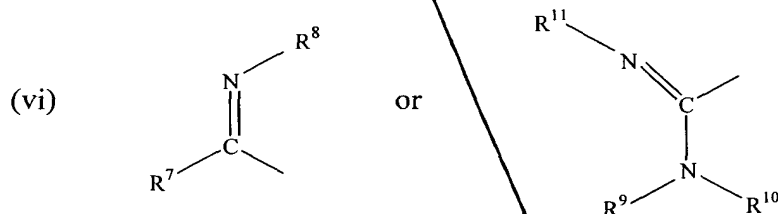
- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl;
- (iii) -[(CH₂)_q-aryl] wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (iv) a heteroaryl-(C₅-C₁₀ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (v) a C₆-C₁₀ aryl, optionally and independently substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;

R⁵ is selected from any one of:

- (i) hydrogen;
- (ii) a straight or branched C₁-C₆ alkyl;

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- (iii) $-(\text{CH}_2)_q\text{-aryl}$ wherein q is 0 or 1, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (iv) a heteroaryl- $\text{C}_5\text{-C}_{10}$ alkyl, wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (v) a $\text{C}_3\text{-C}_6$ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;



wherein: $\text{R}^7, \text{R}^8, \text{R}^9, \text{R}^{10}, \text{R}^{11}$ are each and independently selected from:

- (a) hydrogen;
- (b) a straight or branched $\text{C}_1\text{-C}_6$ alkyl or $\text{C}_2\text{-C}_6$ alkenyl;
- (c) $-(\text{CH}_2)_q\text{-aryl}$ wherein q is an integer from 0 to 3, and wherein the aryl may optionally be substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (d) a heteroaryl- $(\text{C}_5\text{-C}_{10}$ alkyl), wherein the heteroaryl has from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and heteroaryl may optionally and independently be substituted by 1 or 2 substituents Y, wherein each Y is as defined in claim 29;

- (e) a C₃-C₁₀ cycloalkyl, optionally comprising one or more unsaturations and optionally substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and wherein the aryl and the heteroaryl may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined in claim 29;
- (f) a C₆-C₁₀ aryl, optionally and independently substituted by one or more heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O, and wherein the heteroaryl may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined in claim 29;

or R⁴ and R⁵ may form a heterocyclic ring which may optionally and independently be substituted 1 or 2 substituents Y, wherein each Y is as defined in claim 29.

31. A compound according to claim 30, wherein
m=n=1

R¹ is selected from

- (i) a straight or branched C₁-C₆ alkyl; or
(ii) a C₃-C₈ cycloalkyl;

R² is selected from

- (i) methyl; or
(ii) phenyl, optionally substituted by 1 or 2 substituents Y wherein [each] Y is as defined below;

R³ is selected from

- (i) -CH₂-phenyl optionally substituted by 1 or 2 substituents Y where Y is as defined below;
(ii) -CH₂-cyclohexyl or -CH₂-cyclopentyl;

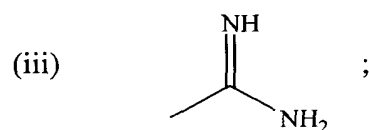
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R⁴ is selected from

- (i) hydrogen; or
- (ii) methyl;

R⁵ is selected from

- (i) hydrogen;
- (ii) methyl; or



or R⁴ and R⁵ together form a heterocyclic ring optionally substituted by 1 or 2 substituents Y where Y is as defined below;

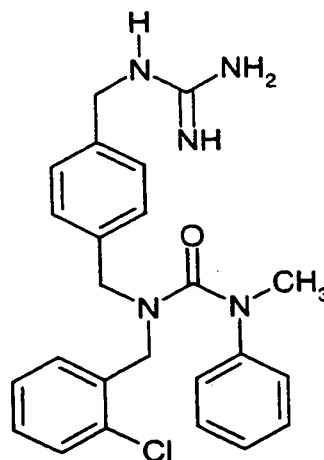
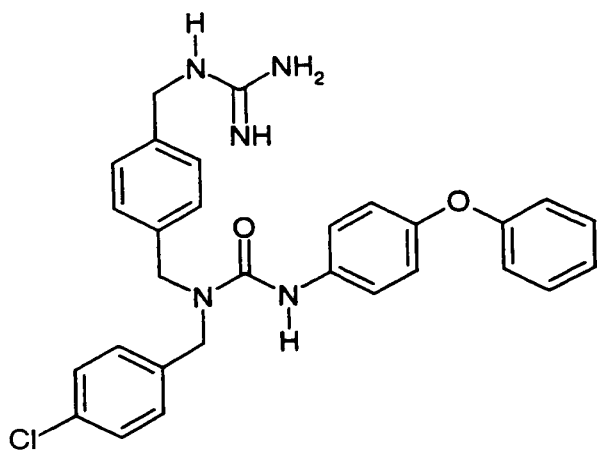
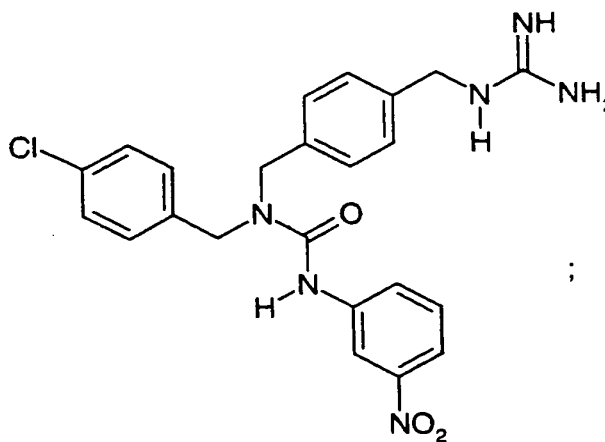
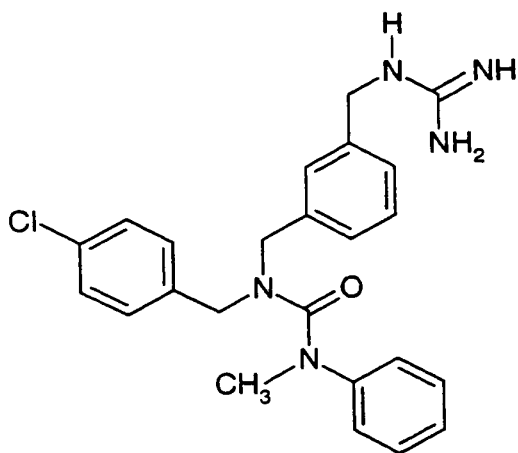
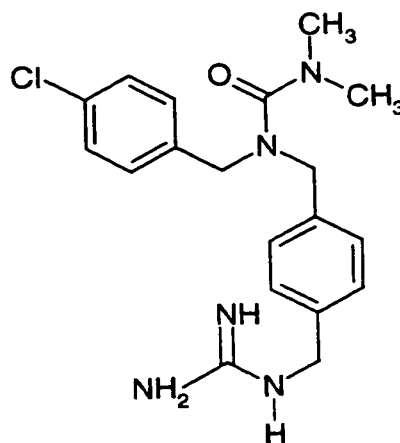
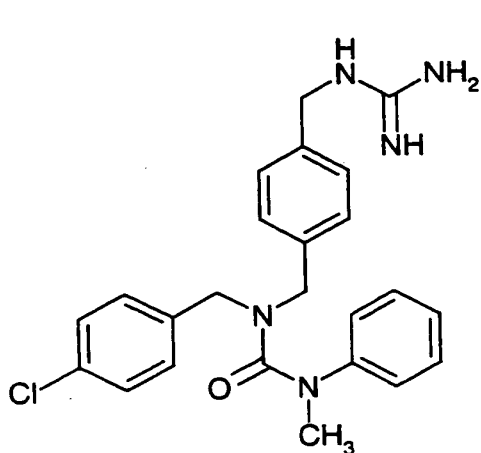
Y is each and independently selected from any of: hydrogen, CH₃; -(CH₂)_{p1}CF₃; halogen; C₁-C₃ alkoxy; hydroxy; -NO₂; -OCF₃; -CONR^aR^b; -COOR^a; -COR^a; -(CH₂)_{p2}NR^aR^b; -(CH₂)_{p3}CH₃; (CH₂)_{p4}SOR^aR^b; -(CH₂)_{p5}SO₂R^a; -(CH₂)_{p6}SO₂NR^a; C₄-C₈(alkyl-cycloalkyl) wherein the alkyl is a C₁-C₂ alkyl, and the cycloalkyl is a C₃-C₆ cycloalkyl; 1 or 2 heteroaryls having from 5 to 10 atoms, each heteroatom being selected from any of S, N and O; and oxides selected from N-oxides or sulfoxides and wherein:

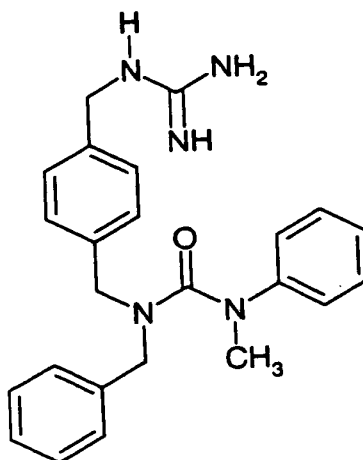
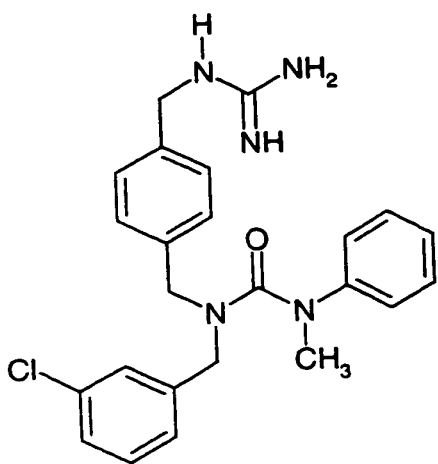
R^a and R^b are each and independently selected from hydrogen, a branched or straight C₁-C₆ alkyl, a C₁-C₆ alkenyl, a C₃-C₈ cycloalkyl; and wherein:

p¹, p², p³, p⁴, p⁵ and p⁶ are each and independently 0, 1 or 2.

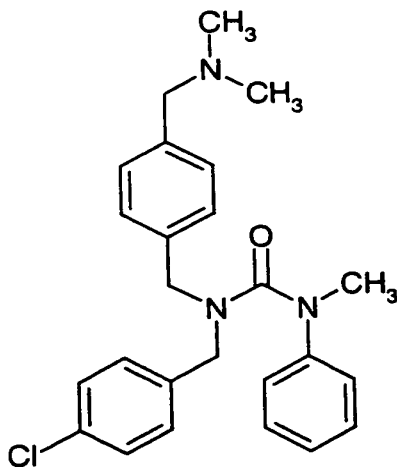
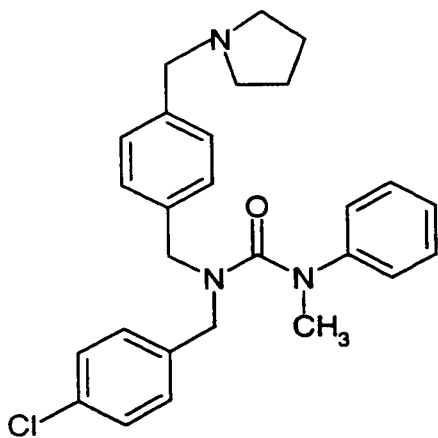
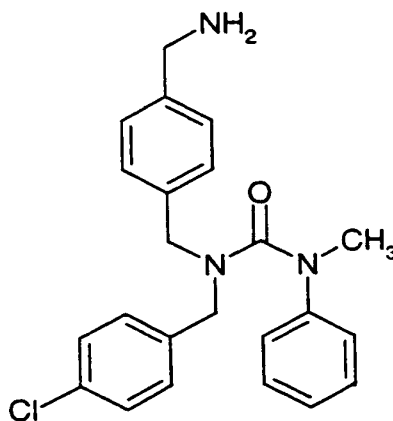
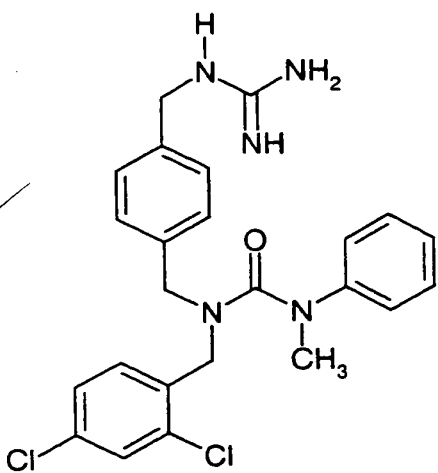
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32. A compound selected from:

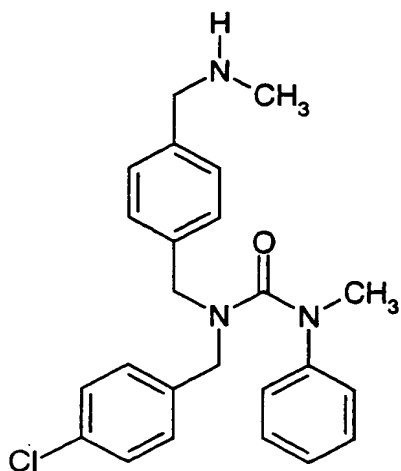




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; and



33. A compound according to any one of claims 29-32, wherein said compound is in the form of a hydrochloride, sulfate, tartrate or citrate salt.
34. A compound according to any one of claims 29-32 wherein said compound is isotopically labeled.
35. A pharmaceutical composition comprising a compound of formula I according to claim 29 as an active ingredient, together with a pharmacologically and pharmaceutically acceptable carrier. --

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